

# Converting Colors

XYZ(67.0188, 39.7434, 38.5788)

Have a look what the booklet for  
XYZ(67.0188, 39.7434, 38.5788)  
contains.

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# Color

**XYZ(51.8536, 31.9098,  
38.0765)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5EA3
RGB	255, 94, 163
RGB Percent	100%, 37%, 64%
CMY	0.0000, 0.6313, 0.3608
CMYK	0.00, 0.63, 0.36, 0.00
HSL	334°, 100%, 68%
HSV	334°, 63%, 100%
XYZ	51.8536, 31.9098, 38.0765
YIQ	150.0050, 73.8070, 55.5910

# Conversions

## Conversions Part 2

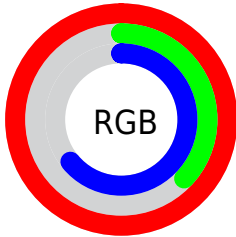
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 94, 163
Decimal	16735907
CIE Lab	63.27, 66.88, -4.24
CIE LCh	63, 67.015, 356.376
Yxy	31.9098, 0.4256, 0.2619
Android (android.graphics.Color)	4294925987 (0xFFFF5EA3)
YUV	150.0050, 6.4065, 92.0806
Hunter-Lab	56.4888, 64.9979, -0.4226

# Details

The XYZ color **51.8536, 31.9098, 38.0765** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **49.2410, 77.4457, 58.8127**, and the grayscale version is **28.9448, 30.4522, 33.1625**.

A 20% lighter version of the original color is **65.1231, 48.7784, 72.3125**, and **25.4868, 13.3558, 16.2736** is the 20% darker color. If you saturate the color by 10%, you get **48.7173, 27.6079, 30.9562**, and if you desaturate by 10%, it is **55.8907, 37.7725, 46.2400**.

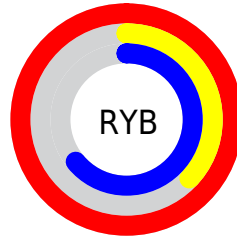
# Distribution



Red (100%)

Green (37%)

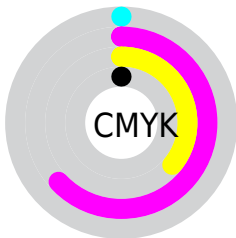
Blue (64%)



Red (100%)

Yellow (37%)

Blue (64%)

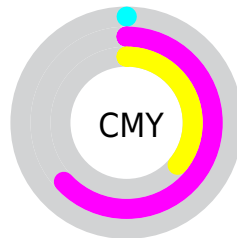


Cyan (0%)

Magenta (63%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (63%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8536, 31.9098, 38.0765 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 51.8536, 31.9098, 38.0765 by changing the saturation by 10% instead.





 51.8536, 31.9098,  
38.0765


 51.8536, 31.9098,  
38.0765


384.2044,  
310.7082, 353.2560


 37.1122, 21.2926,  
25.7398


 92.0908, 62.6697,  
73.4301


 25.4684, 13.3381,  
16.4050


 118.3173, 83.5811,  
97.2841

 16.5570, 7.6617,  
9.6538


 149.1029,  
108.6928, 125.8142

 10.0125, 3.8793,  
5.0674

 184.8129,  
138.3891, 159.4390

 5.4696, 1.6063,  
2.2274

225.8127,  
173.0544, 198.5770

 2.5629, 0.3618,  
0.6901

272.4677,

 0.9271, 0.0000,

213.0730, 243.6469

0.0000

325.1431,  
258.8295, 295.0670

■ 0.0000, 0.0000,  
0.0000

■ 51.8536, 31.9098,  
38.0765

■ 51.8536, 31.9098,  
38.0765

■ 48.7173, 27.6079,  
30.9562

■ 55.8907, 37.7725,  
46.2400

■ 46.3973, 24.7057,  
24.8249

■ 60.8974, 45.3259,  
55.4925

■ 44.7953, 23.0156,  
19.6238

■ 66.9384, 54.6921,  
65.8789

■ 44.0153, 22.3701,  
16.5445

■ 74.0718, 65.9801,  
77.4403

■ 82.3514, 79.2905,  
90.2157

91.8271, 94.7168,  
104.2419

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.7487, 31.9098, 71.4267



51.8536, 31.9098, 38.0765



49.2918, 31.9098, 16.6255

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.8536, 31.9098, 38.0765



23.0718, 31.9098, 6.1246



21.4815, 31.9098, 97.0448

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51.8536, 31.9098, 38.0765



49.2410, 77.4457, 58.8127

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.9858, 31.9098, 62.7555



51.8536, 31.9098, 38.0765



17.7639, 31.9098, 13.4315

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.8536, 31.9098, 38.0765



31.4715, 31.9098, 4.6261



15.7777, 31.9098, 31.6125



29.2151, 31.9098, 114.7854



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.8536, 31.9098, 38.0765



44.3832, 31.9098, 9.3253



15.7777, 31.9098, 31.6125



19.6077, 31.9098, 86.4279

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51.8545, 31.9115, 38.0771



77.3523, 71.2312, 82.5717



42.1185, 25.5710, 97.3235



16.0662, 14.4607, 16.9089



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.8545, 31.9115, 38.0771



47.9727, 26.6402, 29.0999



48.2862, 32.1191, 14.2466



18.3325, 18.1163, 20.3680



23.0702, 11.7174, 9.0201



2.2997, 1.1622, 1.1595



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.8545, 31.9115, 38.0771



47.9727, 26.6402, 29.0999



55.0983, 74.4625, 106.0765



18.3325, 18.1163, 20.3680



23.0702, 11.7174, 9.0201



2.2997, 1.1622, 1.1595



# Previews

## White Background



This preview shows how the XYZ color 51.8536, 31.9098, 38.0765 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

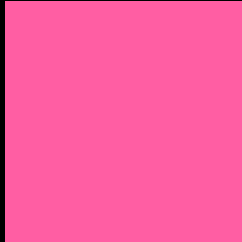
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8536, 31.9098, 38.0765 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

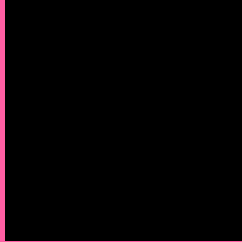
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.8536, 31.9098, 38.0765**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8536, 31.9098, 38.0765.



This preview shows how white text looks on a background with the XYZ color 51.8536, 31.9098,

38.0765.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

51.8536, 31.9098, 38.0765

### Protanopia

32.6381, 32.2893, 59.1558

### Deuteranopia

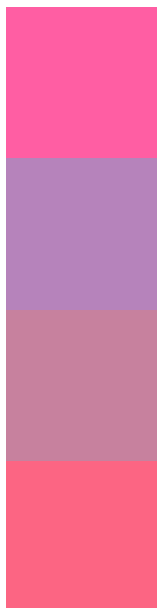
32.6002, 32.0769, 35.4836



## Tritanopia

47.7599, 31.7822, 18.9466

# Trichromacy



## Original Color

51.8536, 31.9098, 38.0765

## Protanomaly

36.3773, 29.7655, 50.8417

## Deuteranomaly

37.5750, 30.3112, 36.2180

## Tritanomaly

48.8953, 31.6415, 25.0031

# Monochromacy



## Original Color

51.8536, 31.9098, 38.0765

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

34.6381, 29.0232, 34.7868

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8536, 31.9098, 38.0765 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 94, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 163)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 94, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8536, 31.9098, 38.0765 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 94, 163) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 94, 163) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 94, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8536, 31.9098, 38.0765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 163) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 94,  
163) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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